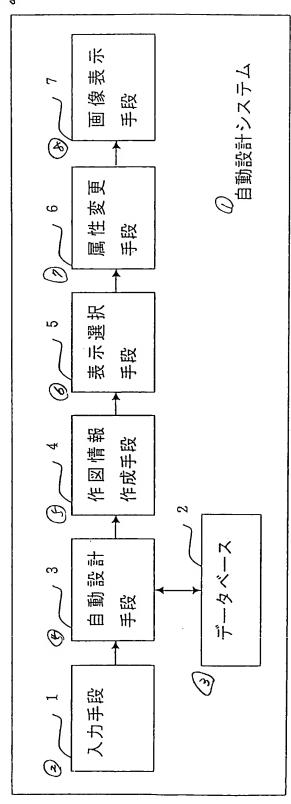
EZI Fig-1

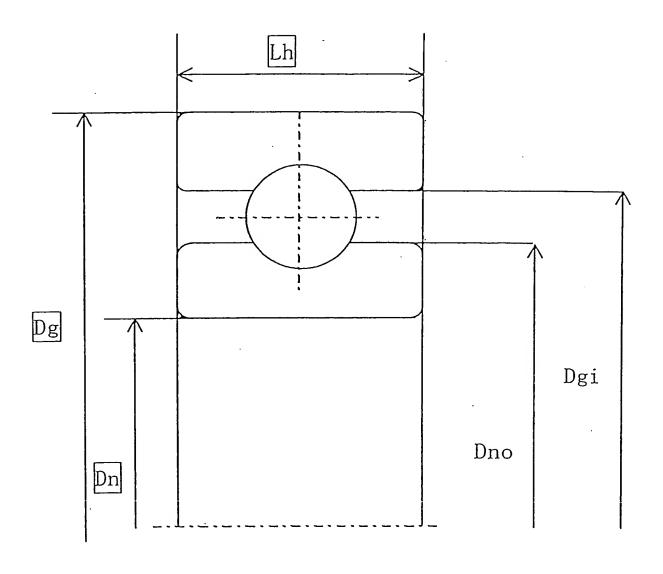


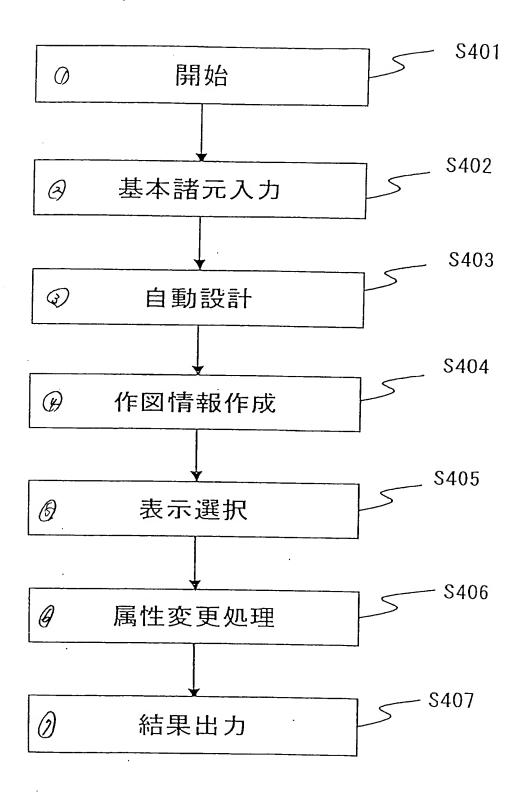
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Dno	r 1
10~30	0.2
30~50	0.3
50~100	0.5

Dgi	r 2
10~30	0. 2
30~50	0.3
50~100	0.5





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基本諸	f元を入力してください。
Dn =	
Dg =	
Lh =	ОК
	0

™6 Fig.b

の 詳細部の自動計算処理

$$Dno = Dn+ (Dg- Dn)/4$$

$$Dgi = Dgn-(Dg-Dn)/4$$

.

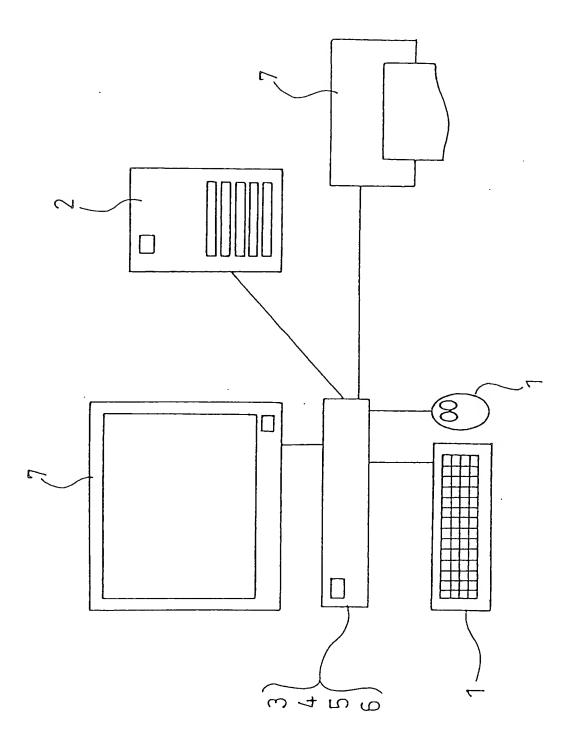
=

```
作図情報の作成
X1=X0
Y1=Y0+Dg/2
X2=X1+Lh
Y2=Y1
P1=(X1,Y1)
P2=(X2,Y2)
P3=(X3,Y3)
Line(P1,P2,y)
Line(P2,P3,y)
Txt("\Phi",Dg,y,m)
Txt("Ф",Dn,y,m)
Txt(" ",Lh,y,m)
```

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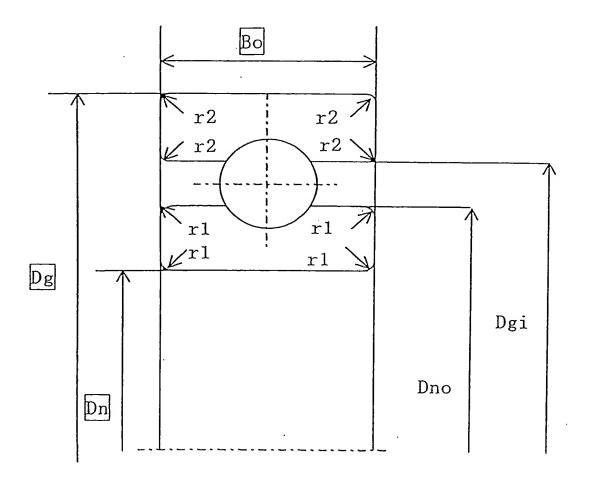
128 Fig. 8

の表示の選択	
③ □ 標準表示 □ ^② 入力値表示	
□ 愛更部表示	
□ [⊕] 入力&変更部表示	
	ОК



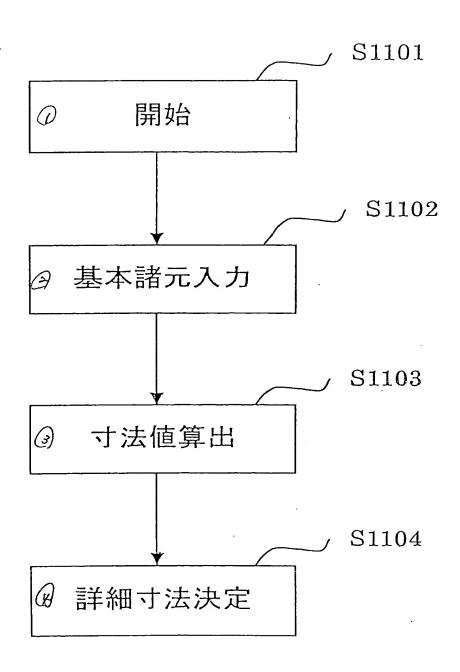
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② 基本諸:	元を入力してください。	
Dn =		
Dg =		
Во =	ОК	

図13 fig.13

① 寸法値の自動計算処理①

$$Dno = Dn + (Dg - Dn)/4$$

$$Dgi = Dgn-(Dg-Dn)/4$$

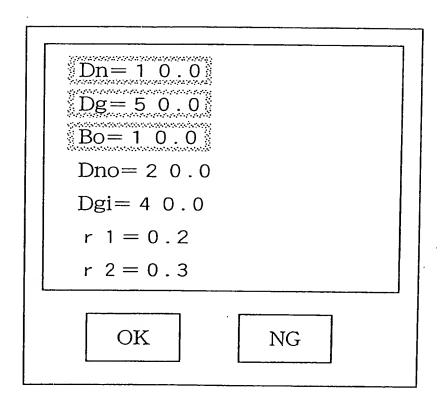
<u>a</u>

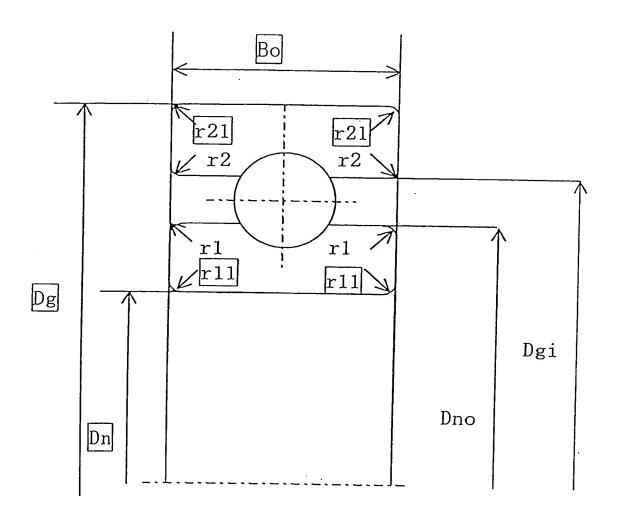
ョ 寸法値の自動計算処理②

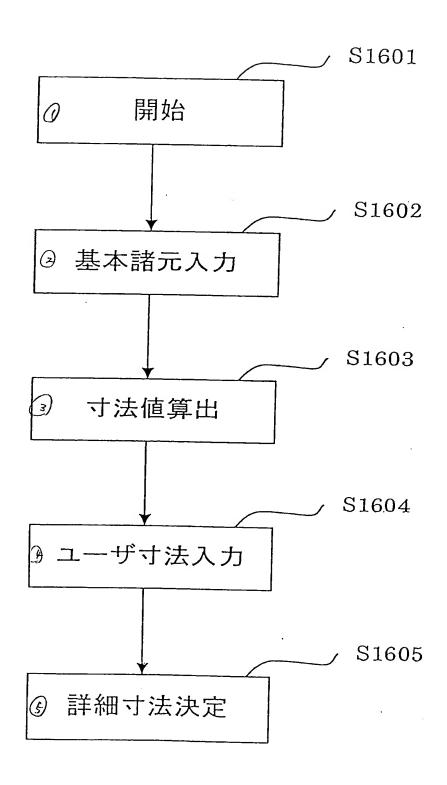
$$r 1 = 0.2$$

$$r 2 = 0.3$$

図14 Fig.14







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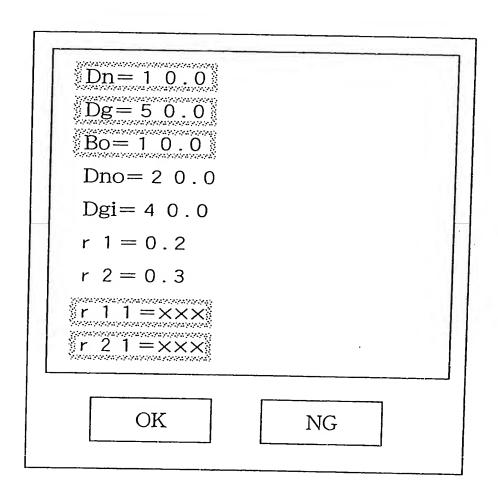
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図17 Fig.17

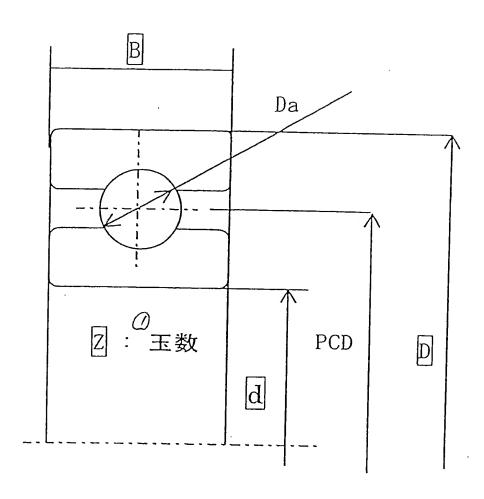
<i>□</i> ユーザ寸法を入力してく	ださい。
rll=	
r21 =	ОК

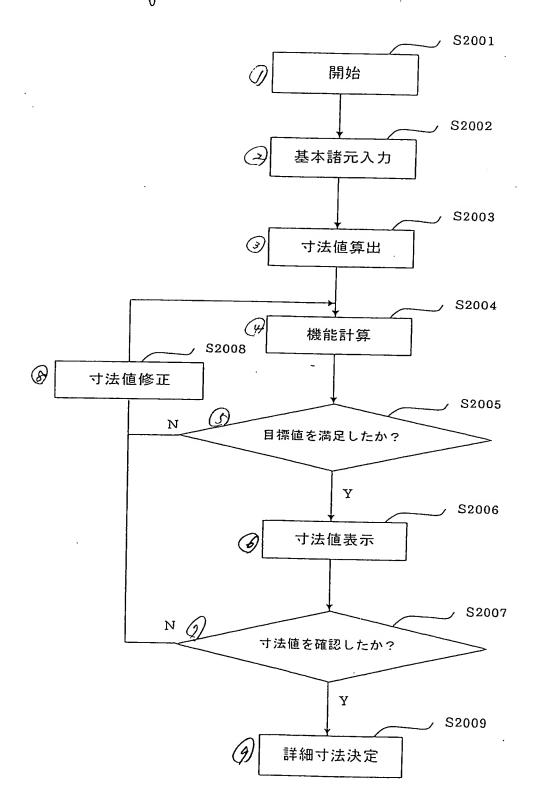
図18 Fig.18



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•

② 目標を入力してください。

- ③ 目標寿命(L)= h
- ⊕ 回転数 (R) = Min
- (f) 荷重 (P) = Kg

οк

⑦寸法値の自動計算処理

$$Da = 4.0$$

$$PCD = 31.0$$

$$Z = 14$$

图23 Fig. 29

```
①目標値確認処理

IF Lh < L(
    NG: 寸法変更して再計算
)
```

図25 Fig. 25

⑦ 寸法値を確認してください。

D=30.0 基本諸元
d=18.0 基本諸元
B=10.0 基本諸元
Da=4.0 計算値
PCD=31.0 計算値
Z=14 の人手入力

OK NG

図26 Fig.26

の 寸法を修正してください。	
Z =	
Da = OK	

図27 Fig.27

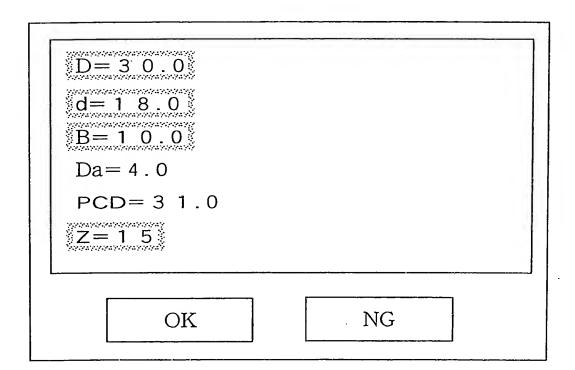


FIG.1:

- (1) Automatic Design System
- (2) inputting means 1
- (3) database 2
- (4) automatic designing means 3
- (5) draughting information forming means 4
- (6) display selecting means 5
- (7) attribute changing means 6
- (8) image displaying means 7

FIG. 4:

- (1) start (S401)
- (2) input standard specification (S402)
- (3) automatic design (S403)
- (4) draughting information formation (S404)
- (5) display selection (S405)
- (6) attribute changing process (S406)
- (7) output result (S407)

FIGS.5, 12:

(1) Input Standard Specifications

FIG. 6:

(1) Automatic Computing Process of Detailed Portions

FIG. 7:

(1) Draughting Information Formation

FIG.8:

(1) Selection of Display

- (2) standard display
- (3) input value display
- (4) changed portion display
- (5) input & changed portion display

FIG.11:

- (1) start (S1101)
- (2) input the standard specifications (S1102)
- (3) compute dimension values (S1103)
- (4) decide detailed dimensions (S1104)

FIG.13:

- (1) Automatic Computing Process (1) of Dimension Values
- (2) Automatic Computing Process (2) of Dimension Values

FIG.16:

- (1) start (S1601)
- (2) input the standard specifications (S1602)
- (3) compute dimension values (S1603)
- (4) input user's dimensions (S1604)
- (5) decide detailed dimensions (S1605)

FIG.17:

(1) Input User's Dimensions

FIG.19:

(1) number of balls

FIG. 20:

- (1) start (S2001)
- (2) input the standard specifications (S2002)

- (3) compute dimension values (S2003)
- (4) compute functions (S2004)
- (5) Is a target value satisfied ?(S2005)
- (6) display dimension values (S2006)
- (7) Are the dimension values confirmed ? (S2007)
- (8) correct dimension values (S2008)
- (9) decide detailed dimensions (S2009)

FIG.21:

- (1) Input the standard specifications
- (2) Input the targets
- (3) target lifetime (L)
- (4) number of revolution (R)
- (5) load (P)

FIG.22:

(1) Automatic Computing Process of Dimension Values

FIG.23:

(1) Lifetime Computing process

FIG.24:

- (1) Target Value Confirming Process
- (2) Compute again after the dimensions are changed

FIG.25:

- (1) Confirm Dimension Values
- (2) standard specification
- (3) computed value
- (4) manual input

FIG.26:

(1) Correct Dimensions